

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
4 November 2004 (04.11.2004)

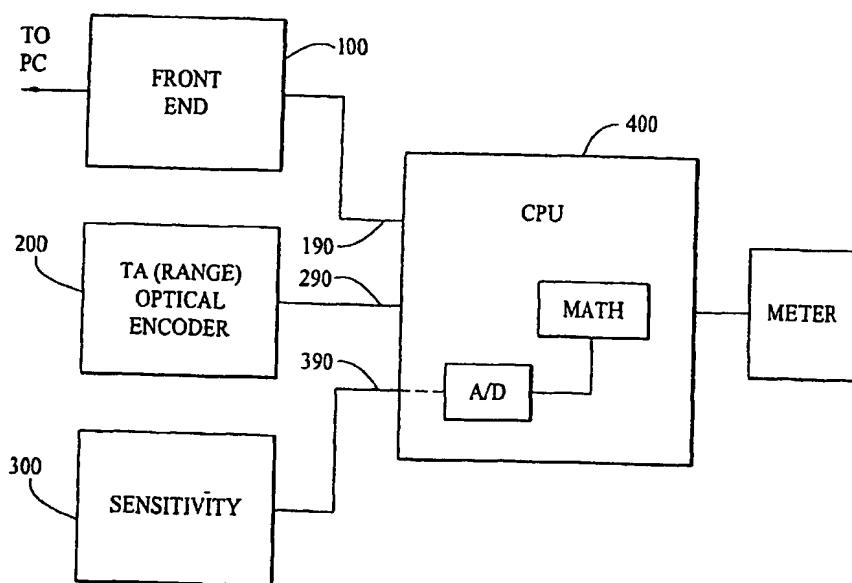
PCT

(10) International Publication Number
WO 2004/094955 A3

- (51) International Patent Classification⁷: **A61B 5/05**
- (21) International Application Number: PCT/US2004/006084
- (22) International Filing Date: 19 March 2004 (19.03.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/455,948 19 March 2003 (19.03.2003) US
- (71) Applicant (for all designated States except US):
CHURCH OF SPIRITUAL TECHNOLOGY [US/US],
419 N. Larchmont, Suite 86, Los Angeles, CA 90004 (US).
- (71) Applicant (for US only): **STARKEY, Norman, F.** (legal representative of the deceased inventor) [US/US]; 7051 Hollywood Boulevard, Los Angeles, CA 90028 (US).
- (72) Inventor: **LAFAYETTE, Ron** (deceased).
- (72) Inventor (for US only): **STINNETT, Richard**; 350 S. Maple St., Suite "A", Corona, CA 92880 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **LILLEHAUGEN, Trent** [US/US]; 900 Calle Plano, Suite "A", Camarillo, CA 93012 (US). **TEMPLES, John** [US/US]; 900 Calle Plano, Suite "A", Camarillo, CA 93012 (US).
- (74) Agent: **SELDON, Robert, A.; Birch, Stewart, Kolasch & Birch, LLP**, Eighteenth Floor, 10940 Wilshire Blvd., Los Angeles, CA 90024-3952 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),

[Continued on next page]

(54) Title: SYSTEM FOR MEASURING CHANGES IN LIVING BODY RESISTANCE



WO 2004/094955 A3

(57) Abstract: A device (10) for measuring and indicating small variations in the resistance of a living body utilizes a central processing unit (400) to digitally process sensed body resistances and drive a resistance-indicating display (16) while compensating for the effects of component aging, component tolerances and component temperatures. The device (10) includes an automatic calibration circuit that is automatically activated on each powering up of the device to measure and store measurement values for a plurality of synthesized body resistances that are used to form a compensation model against which sensed body resistances are subsequently compared for automatic adjustment of display driving measurement values.



Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report:
24 February 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/06084

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61B 5/05
US CL : 600/547

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 600/547; 324/691, 692, 712

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,P	US 6,631,292 B1 (LIEDTKE) 07 October 2003, see entire document.	1
A	US 6,011,992 A (HUBBARD et al) 04 January 2000, see entire document.	1-10
A	US 4,578,635 A (MEE et al) 25 March 1986, see entire document.	1-10
A	US 3,290,589 A (HUBBARD) 06 December 1966, see entire document.	1-10

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T"

later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y"

document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&"

document member of the same patent family

Date of the actual completion of the international search

06 December 2004 (06.12.2004)

Date of mailing of the international search report

14 JAN 2005

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Faxsimile No. (703) 305-3230

Authorized officer

Charles A. Marmor, II

Telephone No. (703) 308-0858

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US04/06084

Continuation of Item 4 of the first sheet:

The title is too long under PCT Rule 4.3. NEW TITLE:

SYSTEM FOR MEASURING CHANGES IN LIVING BODY RESISTANCE

Continuation of B. FIELDS SEARCHED Item 3:

EAST

search terms: body, resistance, display, amplifier, processing, age, tolerance, temperature, simulating, tables, interpolate, optical encoder